

EATCS ANNUAL REPORT

July 2004–June 2005

1 Introduction

This document is a Report of the activities of the European Association for Theoretical Computer Science during the period between ICALP-2004 and ICALP-2005. The main purpose of the document is that the EATCS members become acquainted with the basic facts about EATCS to be presented in the General Assembly during ICALP-2005 in Lisbon.

2 Awards

EATCS has sponsored the following awards:

- The **EATCS Award 2005** to Professor Robin Milner in recognition of his outstanding scientific contributions to theoretical computer science
- The **Gödel Prize-2005** co-sponsored by EATCS and ACM SIGACT to Noga Alon, Yossi Matias and Mario Szegedy for their paper: The Space Complexity of Approximating the Frequency Moments, *Journal of Computer and System Sciences* 58 (1999), 137-147, first presented at the 28th ACM Symposium on Theory of Computing, 1996
- The **EATCS Best Paper Awards** at the ICALP-2005 conference to the following papers:
 - Track B:** Martin Grohe, Christoph Koch and Nicole Schweikardt: Tight Lower Bounds for Query Processing on Streaming and External Memory Data
 - Track C:** Marius Zimand: Simple extractors via constructions of cryptographic pseudo-random generators
- The **EATCS Best Student Paper Awards** at the ICALP-2005 conference to the following papers:
 - Track A:** Corina E. Patrascu and Mihai Patrascu: On Dynamic Bit-Probe Complexity
 - Track B:** Damien Pous: Up-to Techniques for Weak Bisimulation
 - Track C:** Neeraj Kayal: Solvability of a System of Bivariate Polynomial Equations over a Finite Field

- The **EATCS Best Paper Award** for the best theoretical paper at ETAPS-2005 to Andrzej Murawski and Igor Walukiewicz: Third-Order Idealized Algol with Iteration is Decidable
- The **EATCS Best Paper Award** at the ESA-2004 to the paper: Marcin Mucha and Piotr Sankowski: Maximum Matching in Planar Graphs via Gaussian Elimination
- The **EATCS Best Paper Award** at the 2nd International Conference on Graph Transformation to J. Chalopin, Y. Metivier, and W. Zielonka: Election, Naming and Cellular Edge Local Computations

3 EATCS: Financial Overview

June 11, 2004	€
Securities	64.000,89
Savings acc.	12.863,54
Cash acc.	22.551,34
Total	96.415,77

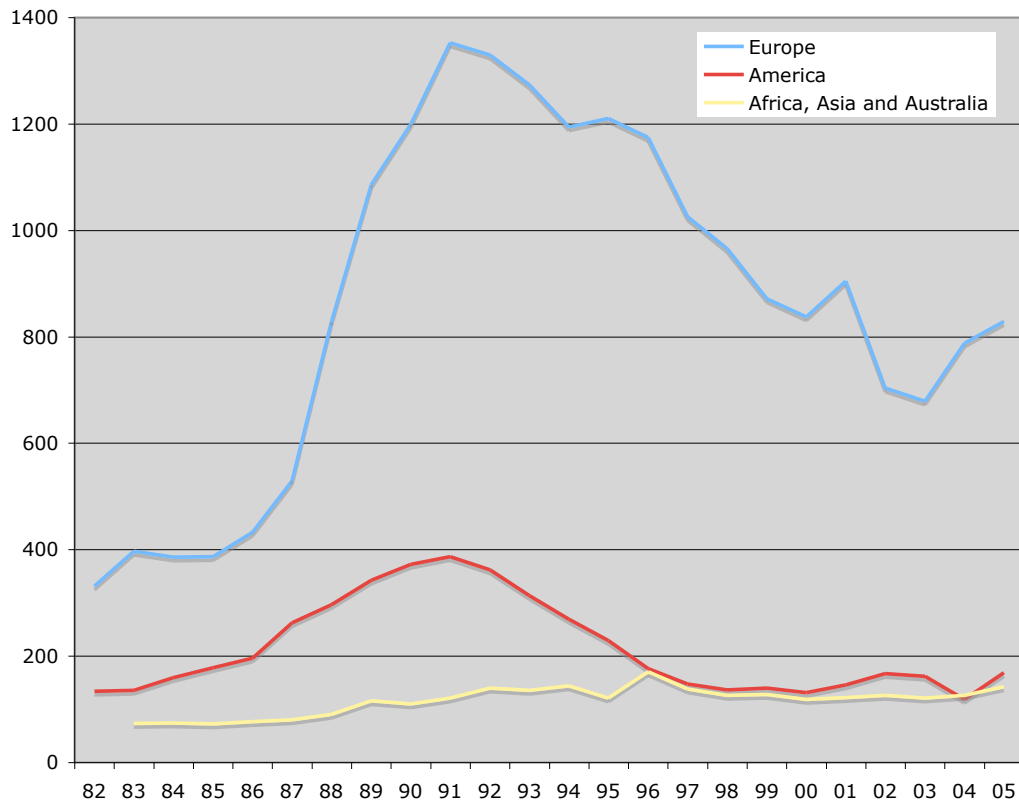
June 24, 2005	€
Securities	83.112,71
Savings acc.	10.082,19
Cash acc.	26.852,62
Total	120.047,52
Balance	+23.631,75

EATCS: Financial overview
June 11, 2004 - June 24, 2005

Income	€	(previous)
Members	37.731,39	(25.120,82)
Sponsors	3.805,73	(3.887,00)
Interest	3.657,84	(2.278,36)
Springer	5.567,55	(4.611,57)
Total	50.762,51	(35.897,75)

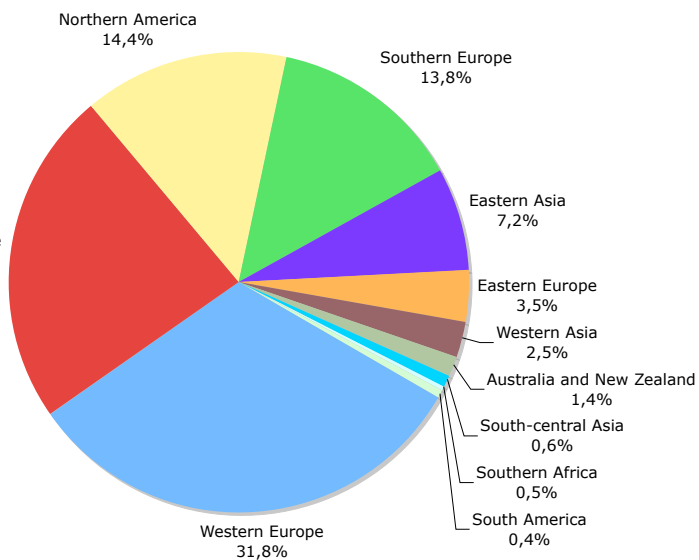
Expenses	€	(previous)
Printing	13.038,14	(18.271,45)
Mailing	11.246,43	(14.169,64)
Awards	2.493,00	(995,00)
Bulletin Editor	0,00	(900,00)
Treasurer	53,00	(137,26)
Taxes	300,19	(516,92)
ICALP satelites	0,00	(525,96)
Total	27.130,76	(35.516,23)

4 Membership



The graphics above show by continents the evolution of EATCS' membership, from ICALP-82 until today (not counting ICALP-05 registrations).

To the right are the current EATCS members distributed on geographical sub-continental regions.



Current members of EATCS

Total			1140
Europe			829
Germany	183	Poland	9
United Kingdom	139	Portugal	7
France	115	Norway	6
Italy	101	Slovakia	4
Finland	65	Russian Federation	4
Denmark	29	Ireland	3
Spain	25	Iceland	2
Netherlands	25	Slovenia	2
Sweden	23	Latvia	2
Greece	19	Croatia	2
Switzerland	15	Moldova	1
Belgium	13	Serbia and Montenegro	1
Austria	11	Estonia	1
Hungary	10	Bulgaria	1
Czech Republic	10	Romania	1
America			169
USA	122	Brazil	4
Canada	42	Chile	1
Africa, Asia and Australia			142
Japan	68	Cyprus	2
Israel	23	Turkey	1
New Zealand	8	Lebanon	1
Australia	8	New Caledonia	1
India	7	Botswana	1
South Korea	6	Singapore	1
South Africa	5	Georgia	1
China	4	Kuwait	1
Hong Kong	3	Taiwan	1

5 Conferences

During the period under consideration, EATCS has sponsored its conference ICALP-04 in Turku. During the same period EATCS has also co-sponsored the following events:

- WoLLIC'2004 11th Workshop on Logic, Language, Information and Computation, Paris, France, July, 2004
- CIAA 2004, Ninth International Conference on Implementation and Application of Automata Queen's University, Kingston, Ontario, Canada, July, 2004
- ICTCS 2004, International Symposium on Logic-based Program Synthesis and Transformation, Verona, Italy, August, 2004
- PEPM 2004, ACM SIGPLAN 2004 Symposium on Partial Evaluation and Program Manipulation, Verona, Italy, August, 2004
- 6th ACM-SIGPLAN International Conference on Principles and Practice of Declarative Programming, Verona, Italy, August, 2004
- SAS 2004, 11th Static Analysis Symposium, Verona, Italy, August, 2004
- MFCS 2004, 29th International Symposium on Mathematical Foundations of Computer Science Prague, Czech Republic, Europe August, 2004
- Foundations of Global Ubiquitous Computing, 3rd EATCS Workshop on Foundations of Global Computing, London, UK, September 2004
- ESA 2004, 12th Annual European Symposium on Algorithms Bergen, Norway, September, 2004
- DLT 2004, Eighth International Conference on Developments in Language Theory, Auckland, New Zealand, December 2004
- HiPC 2004, 11th Annual International Conference on High Performance Computing, Bangalore, India, December, 2004
- BCTCS 2005, 21st British Colloquium for Theoretical Computer Science, University of Nottingham, UK, March 2005

- ETAPS 2005, European Joint Conferences on Theory and Practice of Software, Edinburgh, April, 2005
- SFM-05:Moby, 5th International School on Formal Methods for the Design of Computer, Communication and Software Systems: Mobile Computing, Bertinoro, Italy, April 2005
- AFL 2005, 11th International Conference on Automata and Formal Languages, Dobogk, Hungary, May, 2005
- CiE 2005, New Computational Paradigms Amsterdam, June, 2005
- CIAA 2005, Tenth International Conference on Implementation and Application of Automata, , Sophia Antipolis, France, June, 2005
- 9th International Conference on Developments in Language Theory, Palermo, Italy, July, 2005
- 7th Workshop on Descriptive Complexity of Formal Systems, Como, Italy, 2005
- DCOSS 2005, 1st International Conference on Distributed Computing in Sensor Systems, USA, June, 2005
- ICATPN 2005, 26th International Conference On Application and Theory of Petri Nets and Other Models of Concurrency, Miami, Florida, June, 2005

6 Publications

During the reporting period, the reports of the three main publication activities of EATCS are as follows:

The Bulletin (Ed. V. Sassone) Numbers 84, 85 and 86 have been published, containing a variety of contributions, including refereed papers, news from Australia, India, Ireland, Latin America, New Zealand, as well as the following regular columns:

- The Complexity Column (J. Toran)
- The Formal Specification Column (H. Ehrigh)
- The Logic in Computer Science Column (Y. Gurevich)
- The Concurrency Column (L. Aceto)
- The Formal Language Theory Column (A. Salomaa)

The Natural Computing Column (G. Rozenberg)
The Distributed Computing Column (M. Mavronicolas)
The Security Column (J. Guttman)
The Programming Languages Column (I. Mackie and D. Sands)
The Algorithmics Column (J. Díaz)
The Puzzle Corner (L. Rosaz)
The Board Games Series (S.U. Khan and I. Ahmad)
The Security Column (J.D. Guttman)

EATCS Texts The following titles have been published by Springer in the EATCS Texts Series:

- Hromkovic, Klasing, Pelc, Ruzicka, and Unger: Dissemination of Information in Communication Networks
- Hromkovic: Design and Analysis of Randomized Algorithms
- Hutter: Universal Artificial Intelligence
- Kluge: Abstract Computing Machines,
- Kurki-Suonio: A Practical Theory of Reactive Systems
- Paun, Rozenberg, and Salomaa: DNA Computing
- Rothe: Complexity Theory and Cryptology

Theoretical Computer Science During the period July 2003 to June 2004, Elsevier has published the journal from volume 322 to volume 340.